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2280 HV Rijswijk (ZH)
☎ +31 70 340 2040
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recherche

Harding, Charles Thomas
D. Young & Co.
21 New Fetter Lane
London EC4A 1DA
GRANDE BRETAGNE

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Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°

00305646.2-2307-

Anmelder/Applicant/Demandeur

Shikoku Kakoki Co., Ltd.

COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☒ abstract

☒ title

☐ The abstract was modified by the Search Division and the definitive text is attached to this communication.

The following figure will be published together with the abstract:

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REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	FR 2 640 233 A (TETRA PAK HOLDINGS & FINANCE) 15 June 1990 (1990-06-15) * page 2, line 7 - line 10 * * page 2, line 32 - line 34 * * page 3, line 1 - line 7 * * page 3, line 12 - line 15 * * page 3, line 32 - line 36 * * page 7, line 28 - page 8, line 18 * * figures 5,6 * ---	1-14	B29C65/08 B65B51/22
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ABSTRACT / ZUSAMMENFASSUNG / ABREGE

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To provide an ultrasonic sealing apparatus by which it is possible to prevent a sealing failure owing to the tunnel (through passage) seldom occurring in the step portions in the vicinity of the both end portions of the longitudinally sealed portions, when the tubular laminated packaging material is transversely ultrasonic sealed. An ultrasonic sealing apparatus, in which a laminated packaging material containing a thermoplastic resin layer and a paper layer is formed into a tubular form and the tubular laminated packaging material is transversely ultrasonic sealed, comprising a horn (17) having an elongated and flat sealing face and an opposing jaw (21,22) having an elongated action face (23) pressing the laminated packaging material in cooperation with the sealing face of the horn (17), and the center portion in longitudinal direction of an action face of the opposing jaw on the action face narrower than both end portions is found. Further, at a center portion in longitudinal direction of an action face of the opposing jaw, a recess (25) having an arc shape, etc. in section is formed along a direction perpendicular to the longitudinal direction of the action face.